### Search Results -

Terms	Documents
L24 and (default near state)	0

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L25		Refine Search
Recall Text 🔷	Clear	Interrupt

### **Search History**

Set Name Query side by side			Set Name result set
_	GPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES;	OP = OR	
<u>L25</u>	L24 and (default near state)	0	<u>L25</u>
<u>L24</u>	(L21 or L22) and L12	32	<u>L24</u>
<u>L23</u>	(L21 or L22) and L7	0	<u>L23</u>
<u>L22</u>	709/219.ccls.	3730	<u>L22</u>
<u>L21</u>	709/217.ccls.	4032	<u>L21</u>
<u>L20</u>	(L18 or L19) and (default near state)	0	<u>L20</u>
<u>L19</u>	L17 and L7	2	<u>L19</u>
<u>L18</u>	L16 and L7	15	<u>L18</u>
<u>L17</u>	709/\$.ccls.	44960	<u>L17</u>
<u>L16</u>	707/\$.ccls.	34979	<u>L16</u>
<u>L15</u>	L14 and ("default state")	1	<u>L15</u>
<u>L14</u>	L12 and index\$3	522	<u>L14</u>
<u>L13</u>	L12 and L10	0	<u>L13</u>
<u>L12</u>	query same multiple same ("search engine")	686	<u>L12</u>

WEST Refine Search Page 2 of 2

<u>L11</u>	L1 and L10	0	<u>L11</u>
<u>L10</u>	compar\$3 same content same ((remote or local) near device)	67	<u>L10</u>
<u>L9</u>	compar\$ same content same ((remote or local) near device)	93	<u>L9</u>
<u>L8</u>	L7 and ("default state")	0	<u>L8</u>
<u>L7</u>	(L6 or L4) and ("search engine")	34	<u>L7</u>
<u>L6</u>	L5 not L4	18	<u>L6</u>
<u>L5</u>	L3 and ((single or combin\$3) near result\$1)	37	<u>L5</u>
<u>L4</u>	L3 and ((single or combin\$) near result\$1)	36	<u>L4</u>
<u>L3</u>	L2 and index\$3	478	<u>L3</u>
<u>L2</u>	L1 and (compar\$3 same search)	1047	<u>L2</u>
<u>L1</u>	search same multiple same device\$1	3567	<u>L1</u>

### Search Results -

Terms	Documents
L24 and (default near state)	0

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L25			<b>↑</b>	Refine Search
	Recall Text	Clear		Interrupt

### Search History

Set Nameside by side		Hit Count	Set Name result set
•	GPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES;	OP = OR	
<u>L25</u>	L24 and (default near state)	0	<u>L25</u>
<u>L24</u>	(L21 or L22) and L12	32	<u>L24</u>
<u>L23</u>	(L21 or L22) and L7	0	<u>L23</u>
<u>L22</u>	709/219.ccls.	3730	<u>L22</u>
<u>L21</u>	709/217.ccls.	4032	<u>L21</u>
<u>L20</u>	(L18 or L19) and (default near state)	0	<u>L20</u>
<u>L19</u>	L17 and L7	2	<u>L19</u>
<u>L18</u>	L16 and L7	15	<u>L18</u>
<u>L17</u>	709/\$.ccls.	44960	<u>L17</u>
<u>L16</u>	707/\$.ccls.	34979	<u>L16</u>
<u>L15</u>	L14 and ("default state")	1	<u>L15</u>
<u>L14</u>	L12 and index\$3	522	<u>L14</u>
<u>L13</u>	L12 and L10	0	<u>L13</u>
<u>L12</u>	query same multiple same ("search engine")	686	<u>L12</u>

<u>L11</u>	L1 and L10	0	<u>L11</u>
<u>L10</u>	compar\$3 same content same ((remote or local) near device)	67	<u>L10</u>
<u>L9</u>	compar\$ same content same ((remote or local) near device)	93	<u>L9</u>
<u>L8</u>	L7 and ("default state")	0	<u>L8</u>
<u>L7</u>	(L6 or L4) and ("search engine")	34	<u>L7</u>
<u>L6</u>	L5 not L4	18	<u>L6</u>
<u>L5</u>	L3 and ((single or combin\$3) near result\$1)	37	<u>L5</u>
<u>L4</u>	L3 and ((single or combin\$) near result\$1)	36	<u>L4</u>
<u>L3</u>	L2 and index\$3	478	<u>L3</u>
<u>L2</u>	L1 and (compar\$3 same search)	1047	<u>L2</u>
<u>L1</u>	search same multiple same device\$1	3567	<u>L1</u>

### Search Results -

Terms	Documents
L14 and ("default state")	1

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

		Refine Search
Recall Text 👄	Clear	Interrupt

### **Search History**

Set Name side by side		Hit Count	Set Name result set
DB=P	GPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES; C	)P=OR	
<u>L15</u>	L14 and ("default state")	1	<u>L15</u>
<u>L14</u>	L12 and index\$3	522	<u>L14</u>
<u>L13</u>	L12 and L10	0	<u>L13</u>
<u>L12</u>	query same multiple same ("search engine")	686	<u>L12</u>
<u>L11</u>	L1 and L10	0	<u>L11</u>
<u>L10</u>	compar\$3 same content same ((remote or local) near device)	) 67	<u>L10</u>
<u>L9</u>	compar\$ same content same ((remote or local) near device)	93	<u>L9</u>
<u>L8</u>	L7 and ("default state")	0	<u>L8</u>
<u>L7</u>	(L6 or L4) and ("search engine")	34	<u>L7</u>
<u>L6</u>	L5 not L4	18	<u>L6</u>
<u>L5</u>	L3 and ((single or combin\$3) near result\$1)	37	<u>L5</u>
<u>L4</u>	L3 and ((single or combin\$) near result\$1)	36	<u>L4</u>
<u>L3</u>	L2 and index\$3	478	<u>L3</u>
<u>L2</u>	L1 and (compar\$3 same search)	1047	<u>L2</u>

WEST Refine Search Page 2 of 2

<u>L1</u> search same multiple same device\$1

3567 <u>L1</u>

### Search Results -

Terms	Documents
L1 and L10	0

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

L11

Recall Text Clear
Interrupt

### **Search History**

DATE: Thursday, June 01, 2006 Printable Copy Create Case

Set Name side by side		Hit Count	Set Name result set
DB=PC	GPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR = YES; O	P=OR	
<u>L11</u>	L1 and L10	0	<u>L11</u>
<u>L10</u>	compar\$3 same content same ((remote or local) near device)	67	<u>L10</u>
<u>L9</u>	compar\$ same content same ((remote or local) near device)	93	<u>L9</u>
<u>L8</u>	L7 and ("default state")	0	<u>L8</u>
<u>L7</u>	(L6 or L4) and ("search engine")	34	<u>L7</u>
<u>L6</u>	L5 not L4	18	<u>L6</u>
<u>L5</u>	L3 and ((single or combin\$3) near result\$1)	37	<u>L5</u>
<u>L4</u>	L3 and ((single or combin\$) near result\$1)	36	<u>L4</u>
<u>L3</u>	L2 and index\$3	478	<u>L3</u>
<u>L2</u>	L1 and (compar\$3 same search)	1047	<u>L2</u>
<u>L1</u>	search same multiple same device\$1	3567	<u>L1</u>

### Search Results -

Terms	Documents
L17 and (display\$3 near (amalgamat\$ or combin\$3) near result)	1

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
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L18

Refine Search

Recall Text Clear

### Search History

Set Name side by side	Query	<u>Hit</u> Count	Set Name result set
DB=Pc	GPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES; OP=OR		
<u>L18</u>	L17 and (display\$3 near (amalgamat\$ or combin\$3) near result)	1	<u>L18</u>
<u>L17</u>	L13 and (display\$3 same (amalgamat\$ or combin\$3) same result)	28	<u>L17</u>
<u>L16</u>	L14 and (display\$3 same (amalgamat\$ or combin\$3) same result)	0	<u>L16</u>
<u>L15</u>	L14 and (display\$3 same result)	1	<u>L15</u>
<u>L14</u>	L13 and (default near state)	1	<u>L14</u>
<u>L13</u>	L12 and ((compar\$3 or match\$3) same term)	164	<u>L13</u>
<u>L12</u>	L11 and l2	309	<u>L12</u>
<u>L11</u>	(query or querying) same multiple same ("search engine")	691	<u>L11</u>
<u>L10</u>	L9 and L3	1	<u>L10</u>
<u>L9</u>	707/1-7.ccls.	15875	<u>L9</u>
<u>L8</u>	L7 and (default near state)	0	<u>L8</u>
<u>L7</u>	L6 and state	3	<u>L7</u>
<u>L6</u>	L5 and index\$3	3	<u>L6</u>

WEST Refine Search Page 2 of 2

<u>L5</u>	L3 and (display\$3 same result\$1)	8	<u>L5</u>
<u>L4</u>	L3 and ((amalgamat\$ or combin\$3) same result\$1)	0	<u>L4</u>
<u>L3</u>	L1 and L2	18	<u>L3</u>
<u>L2</u>	search same (local or remote)	34089	<u>L2</u>
<u>L1</u>	(compar\$3 or match\$3) same content same ((remote or local) near device)	113	<u>L1</u>

## Search Results -

Terms	Documents
L7 and (default near state)	0

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

L8

Search:

3			Refine Search
<u> </u>	Recall Text 🔷	Clear	Interrupt

## **Search History**

## DATE: Thursday, June 01, 2006 Printable Copy Create Case

Set Name side by side	Query	<u>Hit</u> Count	Set Name result set
DB=P	GPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES; OP=OR		
<u>L8</u>	L7 and (default near state)	0	<u>L8</u>
<u>L7</u>	L6 and state	3	<u>L7</u>
<u>L6</u>	L5 and index\$3	3	<u>L6</u>
<u>L5</u>	L3 and (display\$3 same result\$1)	8	<u>L5</u>
<u>L4</u>	L3 and ((amalgamat\$ or combin\$3) same result\$1)	0	<u>L4</u>
<u>L3</u>	L1 and L2	18	<u>L3</u>
<u>L2</u>	search same (local or remote)	34089	<u>L2</u>
<u>L1</u>	(compar\$3 or match\$3) same content same ((remote or local) near device)	113	<u>L1</u>

### Search Results -

Terms	Documents
L7 and ("default state")	0

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US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
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L8

Refine Search

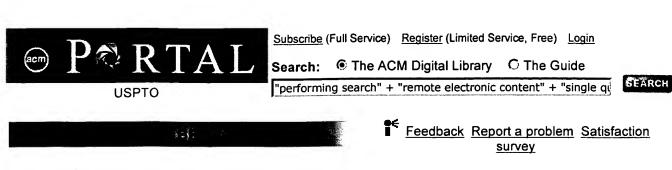
Recall Text Clear

Interrupt

### **Search History**

DATE: Thursday, June 01, 2006 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	B, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=1	ES; OP=OR	
<u>L8</u>	L7 and ("default state")	0	<u>L8</u>
<u>L7</u>	(L6 or L4) and ("search engine")	34	<u>L7</u>
<u>L6</u>	L5 not L4	18	<u>L6</u>
<u>L5</u>	L3 and ((single or combin\$3) near result\$1)	37	<u>L5</u>
<u>L4</u>	L3 and ((single or combin\$) near result\$1)	36	<u>L4</u>
<u>L3</u>	L2 and index\$3	478	<u>L3</u>
<u>L2</u>	L1 and (compar\$3 same search)	1047	<u>L2</u>
<u>L1</u>	search same multiple same device\$1	3567	<u>L1</u>



Terms used <u>performing search</u> <u>remote electronic</u> <u>content single query comparing search</u> <u>indexed</u> <u>content displaying amalgamated result</u>

Found 2 of 177,263

Relevance scale

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1 Information retrieval session 8: efficiency: Operational requirements for scalable

search systems

Abdur Chowdhury, Greg Pass

November 2003 Proceedings of the twelfth international conference on Information and knowledge management

Publisher: ACM Press

Full text available: pdf(294.93 KB)

Additional Information: full citation, abstract, references, citings, index terms

Prior research into search system scalability has primarily addressed query processing efficiency [1, 2, 3] or indexing efficiency [3], or has presented some arbitrary system architecture [4]. Little work has introduced any formal theoretical framework for evaluating architectures with regard to specific operational requirements, or for comparing architectures beyond simple timings [5] or basic simulations [6, 7]. In this paper, we present a framework based upon queuing network theory for analyz ...

Keywords: operational requirements, search scalability

Web searching: Specialisation dynamics in federated web search
Rinat Khoussainov, Nicholas Kushmerick

November 2004 Proceedings of the 6th annual ACM international workshop on Web information and data management

Publisher: ACM Press

Full text available: pdf(138.32 KB) Additional Information: full citation, abstract, references, index terms

Organising large-scale Web information retrieval systems into hierarchies of topic-specific search resources can improve both the quality of results and the efficient use of computing resources. A promising way to build such systems involves federations of topic-specific search engines in decentralised search environments. Most of the previous research concentrated on various technical aspects of such environments (e.g. routing of search queries or merging of results from multiple sources). W ...

**Keywords**: competition, federated web search, topic specialisation

Results (page 1): "performing search" + "remote electronic content" + "single query" + "c... Page 2 of 2

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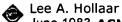
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1 A specialized computer architecture for text retrieval
David C. Roberts August 1978 ACM SIGIR Forum, ACM SIGARCH Computer Architecture News, ACM SIGMOD Record, Volume 13, 7, 10 Issue 2, 2, 1 Publisher: ACM Press Full text available: pdf(779.71 KB) Additional Information: full citation, abstract, references
This paper describes a specialized computer architecture for text retrieval that provides a wide range of query capabilities, without the use of indexes of the material retrieved. A distributed approach is employed, with direct search processors. Each search processor is closely associated with one or more disk drives that store the data to be searched and each consists of a comparator for matching query terms, logic elements to combine query terms, a disk controller and a control minicomputer. T
2 Information retrieval session 8: efficiency: Operational requirements for scalable
<ul> <li>search systems</li> <li>Abdur Chowdhury, Greg Pass</li> <li>November 2003 Proceedings of the twelfth international conference on Information and knowledge management</li> </ul>
Publisher: ACM Press
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Keywords: operational requirements, search scalability
3 A specialized computer architecture for text retrieval  David C. Roberts August 1978 Pr ceedings f the fourth workshop on Computer architecture for non- numeric processing

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, index Full text available: pdf(677.91 KB) terms

This paper describes a specialized computer architecture for text retrieval that provides a wide range of query capabilities, without the use of indexes of the material retrieved. A distributed approach is employed, with direct search processors. Each search processor is closely associated with one or more disk drives that store the data to be searched and each consists of a comparator for matching query terms, logic elements to combine query terms, a disk controller and a control minicompu ...

4 Hardware systems for text information retrieval



June 1983 ACM SIGIR Forum, Proceedings of the 6th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '83, Volume 17 Issue 4

Publisher: ACM Press

Full text available: pdf(747.80 KB) Additional Information: full citation, abstract, references

As databases become very large, conventional digital computers cannot provide satisfactory response time. This is particularly true for text databases, which must often be several orders of magnitude larger than formatted databases to store a useful amount of information. Even the standard techniques for improving system performance (such as inverted files) may not be sufficient to give the desired performance, and the use of an unconventional hardware organization may become necessary. A variety ...

<sup>5</sup> Web searching: Specialisation dynamics in federated web search Rinat Khoussainov, Nicholas Kushmerick



November 2004 Proceedings of the 6th annual ACM international workshop on Web information and data management

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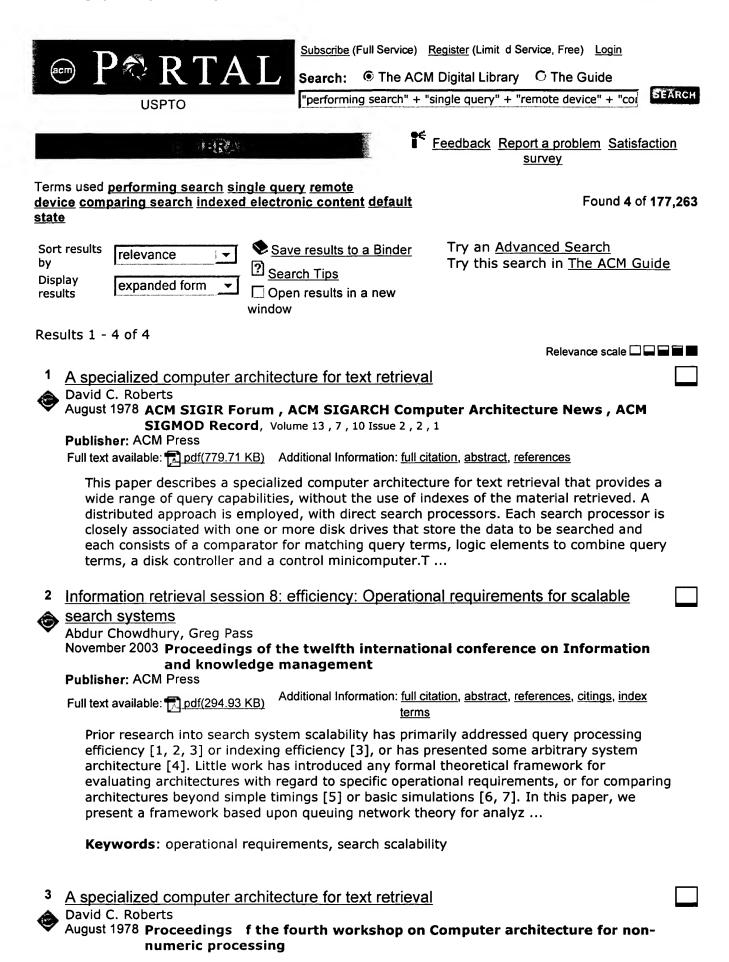
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**Keywords**: competition, federated web search, topic specialisation

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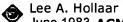


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Hardware systems for text information retrieval



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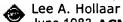
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1 A specialized computer architecture for text retrieval
David C. Roberts
August 1978 ACM SIGIR Forum , ACM SIGARCH Computer Architecture News , ACM SIGMOD Record, Volume 13 , 7 , 10 Issue 2 , 2 , 1
Publisher: ACM Press Full text available: pdf(779.71 KB) Additional Information: full citation, abstract, references
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2 Information retrieval session 8: efficiency: Operational requirements for scalable
search systems Abdur Chowdhury, Greg Pass November 2003 Proceedings of the twelfth international conference on Information and knowledge management Publisher: ACM Press
Full text available: pdf(294.93 KB)  Additional Information: full citation, abstract, references, citings, index terms
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Keywords: operational requirements, search scalability
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Hardware systems for text information retrieval



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5 Web searching: Specialisation dynamics in federated web search



Rinat Khoussainov, Nicholas Kushmerick November 2004 Proceedings of the 6th annual ACM international workshop on Web information and data management

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Organising large-scale Web information retrieval systems into hierarchies of topic-specific search resources can improve both the quality of results and the efficient use of computing resources. A promising way to build such systems involves federations of topicspecific search engines in decentralised search environments. Most of the previous research concentrated on various technical aspects of such environments (e.g. routing of search queries or merging of results from multiple sources). W ...

Keywords: competition, federated web search, topic specialisation

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